

# **DIGITAL RADIOGRAPHY DETECTOR WITH THERMAL AND POWER MANAGEMENT**

## **ABSTRACT OF THE DISCLOSURE**

Systems and methods are provided for managing power consumption of a medical imaging detector by the use of triggering signals, environmental condition data, and/or determination of a variable time interval triggering event that is unique for each power consumption state. Systems and methods are provided for managing power and temperature of a device, after receiving a request for a function to be performed by the device determining an "on" trigger component, an "off" trigger component, associated circuits for performing the received function, providing power to the associated circuits upon the occurrence of the "on" trigger component, and removing power to the associated circuits upon the occurrence of the "off" trigger component. Further, an instruction is described for determining and displaying a variable time interval that is indicative of a time to change from one state to a desired state.